

CLAIMS :

1. An apparatus for calibrating an extruded plastic profile forming at least one longitudinal groove, comprising a calibrating body receiving the profile strand emerging from a shaping extrusion die for profiles, the body comprising a form nose with a cooling channel engaging in the longitudinal groove of the profile strand and extending in the direction of passage of the profile strand, and coolant bores extending transversally to the form nose and crossing its cooling channel, characterized in that the cooling channel (9) which is open on both face sides is connected via a continuous slot (10) with a receiving recess (11) for sealing elements (12) which can be inserted from the open face sides and form the connecting openings (19) for the flow connection between the cooling channel (9) and the associated coolant bores (13, 26), which receiving recess penetrates the calibrating body (1) in the direction of passage and extends into the region of the coolant bores (13, 14, 26).
2. An apparatus according to claim 1, characterized in that the sealing elements (12) comprise a molding body (16) engaging in the receiving recess (11) and comprising an outer face wall (17) which outwardly seals the cooling channel (9), the receiving recess (11) and the slot (10) between the cooling channel (9) and the receiving recess (11).
3. An apparatus according to claim 2, characterized in that the face walls (17) of the sealing elements (12) comprise a circular boundary web (18) which extends outwardly in a conical manner.
4. An apparatus according to claim 2 or 3, characterized in that the molding bodies (16) of the sealing elements (12) can carry inserts (23) in the pass-through region of coolant bores (13, 14) penetrating the receiving recess (11), which inserts (23) control the flow rate through the coolant bores.

5. An apparatus according to claim 4, characterized in that the connecting openings of the sealing elements (12) comprise an intermediate output (22) which can optionally be sealed by an insert (23).
6. An apparatus according to one of the claims 2 to 5, characterized in that the molding bodies (16) of the sealing elements (12) comprise webs (25) projecting into the connecting slot (10) to the cooling channel (9).
7. An apparatus according to one of the claims 1 to 6, characterized in that a filling element can be inserted between the sealing elements (12) into the receiving recess (11) of the calibrating body (1).
8. An apparatus according to one of the claims 1 to 7, characterized in that the connecting opening (19) of the sealing element (12) associated with the discharge end of the cooling channel (9) is in flow connection with a separate coolant bore (26) for discharging coolant.